

WHAT IS CLAIMED IS:

1 1. A method of transmitting signals in a network comprising:
2 setting a priority for a signal;
3 comparing the priority of the signal with a priority of a first adjacent signal; and
4 providing a delay to the first adjacent signal if the priority of the first adjacent signal
5 is lower than the priority of the signal.

1 2. The method of transmitting signals of claim 1 wherein the delay is a delay
2 pulse that is transmitted to the first adjacent signal when the signal is switched.

1 3. The method of transmitting signals of claim 1 further comprising:
2 comparing priority of the signal with a priority of a second adjacent signal; and
3 providing a delay to the second adjacent signal if the priority of the second adjacent
4 signal is lower than the priority of the signal.

1 4. The method of transmitting signals of claim 3 wherein the delay to the first
2 adjacent signal and the delay to the second adjacent signal is a delay pulse that is transmitted
3 to the first adjacent signal and the second adjacent signal when the signal is switched.

1 5. The method of transmitting signals of claim 1 further comprised of:
2 providing a delay to account for additional signals having the same priority as the
3 signal.

1 6. The method of transmitting signals of claim 5 wherein the delay is a delay
2 pulse that is transmitted to the first adjacent signal when the signal is switched.

1 7. A signal driver comprised of:
2 a set priority value;
3 a transmission signal;
4 a delay signal, wherein the set priority value is compared to a first adjacent signal, the
5 delay signal is transmitted to the first adjacent signal if the transmission signal
6 has higher priority than the adjacent signal.

1 8. The signal driver of claim 7 wherein the delay signal is a delay pulse that is
2 transmitted to the first adjacent signal when the transmission signal is switched.

1 9. The signal driver of claim 7 further comprising:
2 a second delay signal, wherein the priority value is compared to a second adjacent
3 signal, the delay signal is transmitted to the first adjacent signal if the
4 transmission signal has higher priority than the second adjacent signal.

1 10. The signal driver of claim 9 wherein the delay signal is a delay pulse that is
2 transmitted to the first adjacent signal and the second adjacent signal when the transmission
3 signal is switched.

1 11. The signal driver of claim 7 wherein the delay signal is extended to account
2 for additional transmission signals having the same priority as the transmission signal.

1 12. The signal driver of claim 7 wherein the signal driver is part of an integrated
2 circuit.

1 13. An apparatus for transmitting signals in a network comprising:
2 means for setting a priority for a signal;
3 means for comparing the priority of the signal with a priority of a first adjacent signal;
4 and
5 means for providing a delay to the first adjacent signal if the priority of the first
6 adjacent signal is lower than the priority of the signal.

1 14. The apparatus for transmitting signals in a network of claim 13 wherein the
2 delay is a delay pulse that is transmitted to the first adjacent signal when the signal is
3 switched.

1 15. The apparatus for transmitting signals in a network of claim 13 further
2 comprising:

3 means for comparing priority of the signal with a priority of a second adjacent signal;
4 and

5 means for providing a delay to the second adjacent signal if the priority of the second
6 adjacent signal is lower than the priority of the signal.

1 16. The apparatus for transmitting signals in a network of claim 15 wherein the
2 delay to the first adjacent signal and the delay to the second adjacent signal is a delay pulse
3 that is transmitted to the first adjacent signal and the second adjacent signal when the signal is
4 switched.

1 17. The apparatus for transmitting signals in a network of claim 13 further
2 comprised of:

3 means for providing a delay to account for additional signals having the same priority
4 as the signal.

1 18. The apparatus for transmitting signals in a network of claim 17 wherein the
2 delay is a delay pulse that is transmitted to the first adjacent signal when the signal is
3 switched.